

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1-30. (Canceled)

31. (New) An isolated or synthetic oligonucleotide that hybridizes to a sequence encoding a mammalian CDC25A protein, or the complement of said sequence, under stringent conditions of 5-10 °C below the calculated melting temperature  $T_m$  of said sequence.
32. (New) The oligonucleotide of claim 31, wherein said mammalian CDC25A protein is derived from a human.
33. (New) The oligonucleotide of claim 32, wherein said mammalian CDC25A has the amino acid sequence set forth in SEQ ID NO: 2.
34. (New) The oligonucleotide of claim 33, wherein said oligonucleotide is complementary to the sequence set forth in SEQ ID NO: 1, or a portion thereof.
35. (New) The oligonucleotide of claim 31, wherein said mammalian CDC25A protein has endogenous tyrosine phosphatase activity.
36. (New) The oligonucleotide of claim 31, wherein said mammalian CDC25A protein rescues a cdc25-deficient strain of fission yeast.
37. (New) A method of inhibiting the transcription and/or translation of a polynucleotide encoding a mammalian CDC25A protein, comprising contacting said polynucleotide with the oligonucleotide of claim 31.
38. (New) The method of claim 37, wherein said mammalian CDC25A protein is derived from a human.
39. (New) The method of claim 38, wherein said mammalian CDC25A has the amino acid sequence set forth in SEQ ID NO: 2.
40. (New) The method of claim 39, wherein said oligonucleotide is complementary to the sequence set forth in SEQ ID NO: 1, or a portion thereof.
41. (New) The method of claim 37, wherein said mammalian CDC25A protein has endogenous tyrosine phosphatase activity.

42. (New) The method of claim 37, wherein said mammalian CDC25A protein rescues a cdc25-deficient strain of fission yeast.
43. (New) The method of claim 37, wherein said polynucleotide is mRNA.
44. (New) The method of claim 37, wherein said oligonucleotide is introduced into a cell comprising said polynucleotide.